

Progress at Paducah

Paducah Citizens Advisory Board

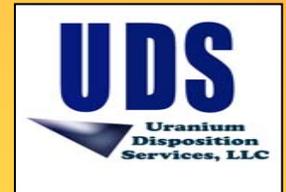


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Paducah Site Office Lead
January 18, 2007



November-December Highlights

- DUF6
- Inactive Facilities
- Burial Grounds
- Northwest Corner Scrap Metal Project
- Soils



DUF6 Conversion Project



- Concrete pours for roof and floors continuing in Conversion Building; completion depends on weather
- Administration Building completion scheduled this month

Metal frameworks are erected to support cranes



Inactive Facilities



- C-405 Incinerator
 - Site setup completed
 - Utility isolation finished; temporary power in place
 - Interior equipment removal continues
 - Demolition scheduled to begin late next month; will take three weeks to finish



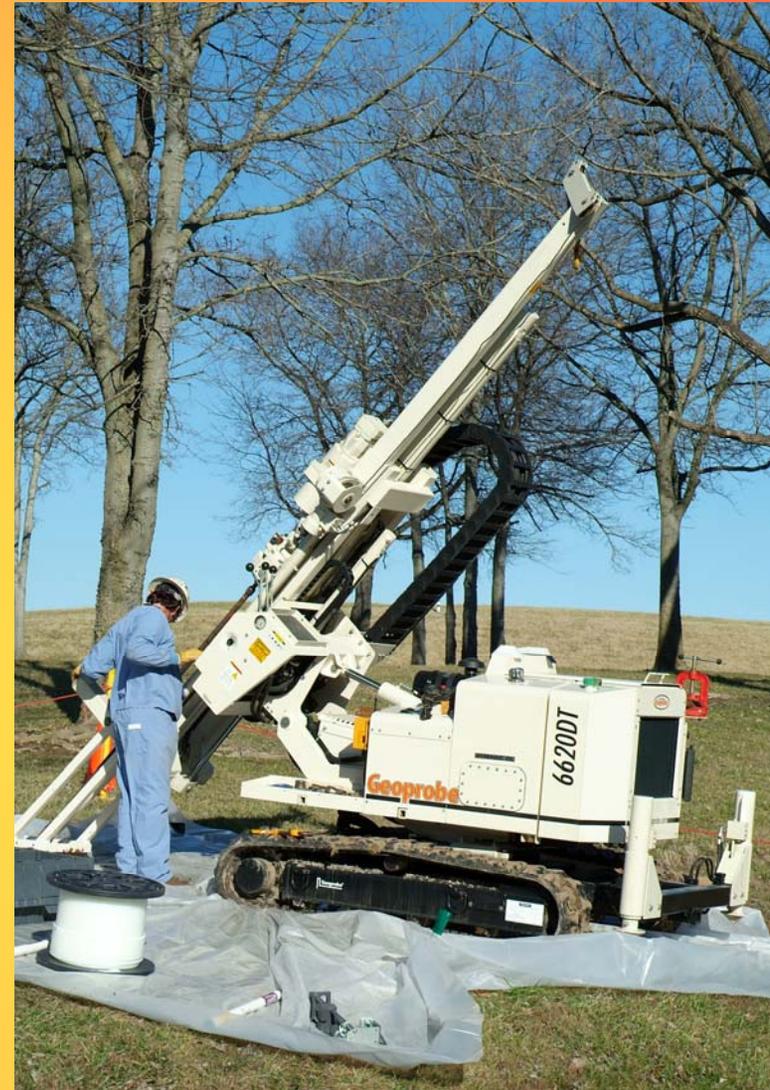
Above, the east incinerator; at right, an air scrubber



Burial Grounds Operable Unit

Remedial Investigation Underway

- Performed geophysics in December
- Initiated sampling in January
- Completion by end of May
- Taking 300 soil and groundwater samples
- Will combine data with existing knowledge to produce a Feasibility Study
 - Remedial Investigation Report scheduled for submission 7/25/08
 - FS scheduled for submission to EPA and Kentucky in 2/17/09
- Remedial options which may include actions such as no action, capping, grout curtains, and excavation will be evaluated in FS
 - Opportunity for CAB input



Drilling began at SWMU
145 week of January 8



Scrap Metal Removal



- Grass seeding will begin when weather permits



Soil Piles

Background

- Contamination on soil pile identified on 11/2/06
- Immediately pulled soils samples
- No threats to public health and the environment
- Working closely with Kentucky and EPA to determine future course of action

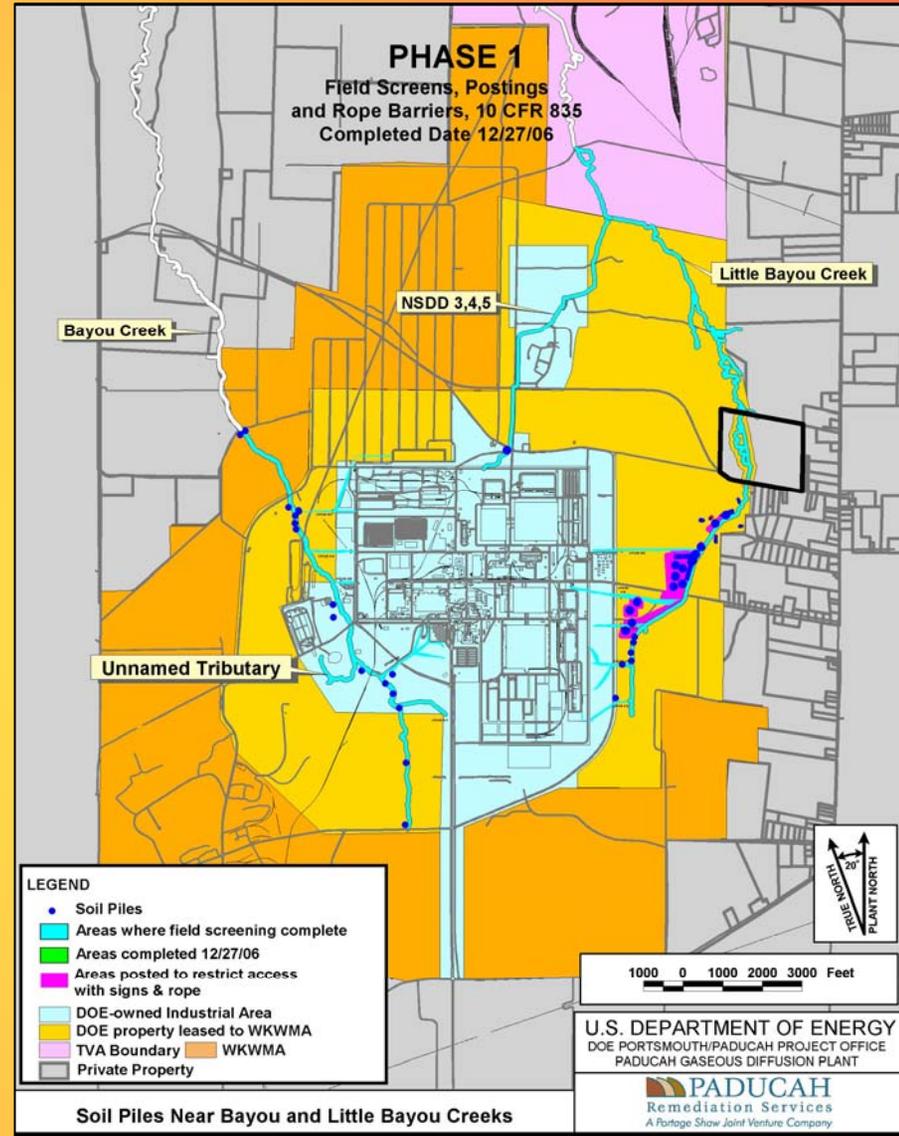


One of the soil mounds along the west bank of Little Bayou Creek

Soil Piles

Actions to date

- Conducted a walkover survey of more than 30+ miles of creeks and ditches
- Surveyed 99 soil piles and 51 rubble areas
- Developed plan to collect more detailed samples
- All contamination areas roped off
- USEC protective force continually updated to assist in alerting hunters



Public Exposure to Radiation



- Lantern mantles are 4 times background



- Smoke detectors are 10 times background



- "No Salt" seasoning is 2 times background



- Certain older Fiestaware is 15 times backgrounds

Soil Piles



What's next

- In coordination with Kentucky and EPA, preparation sampling and analysis plan for further evaluation
- Collection and characterization of subsurface samples to determine nature and extent of any additional contamination
- Prioritize and evaluate characterization results





DOE Portsmouth/Paducah Project Office